PAPERWORK REDUCTION ACT SUBMISSION

Please read the instructions before completing this form. For additional forms or assistance in completing this form, contact your agency's Paperwork Clearance Officer. Send two copies of this form, the collection instrument to be reviewed, the supporting statement, and any additional documentation to: Office of Information and Regulatory Affairs, Office of Management and Budget, Docket Library, Room 10102, 725 17th Street NW, Washington, DC 20503.

1. Agency/Subagency originating request
DOC/NOAA/NOS/Special Projects Office

2. OMB control number a. ________ -__________ b. [✔] None

3. Type of information collection (*check one*)
a. [✔] New Collection
b. [ ] Revision of a currently approved collection
c. [ ] Extension of a currently approved collection
d. [ ] Reinstatement, without change, of a previously approved collection for which approval has expired
e. [ ] Reinstatement, with change, of a previously approved collection for which approval has expired
f. [ ] Existing collection in use without an OMB control number
For b-f, note Item A2 of Supporting Statement instructions

4. Type of review requested (*check one*)
a. [✔] Regular submission
b. [ ] Emergency - Approval requested by ____/____/____
c. [ ] Delegated

5. Small entities
Will this information collection have a significant economic impact on a substantial number of small entities? [ ] Yes [✔] No

6. Requested expiration date
a. [✔] Three years from approval date b. [ ] Other Specify: ____/____

7. Title National Marine Sanctuaries - Socioeconomic Impacts of Marine Reserves

8. Agency form number(s) (*if applicable*) N/A

9. Keywords 'marine resources, coastal zone'

10. Abstract
NOAA's National Marine Sanctuaries are authorized under the National Marine Sanctuary Act to use zoning to prohibit or restrict uses in certain portions (zones) of sanctuaries. Ecological Reserves, Sanctuary Preservation Areas, or Marine Reserves (no-take zones) are being proposed. There is a need to evaluate the socioeconomic impact that no-take zones might have on different user groups. Those activities that might be displaced from no-take zones include commercial fishing operations, recreational fishing operations, and individuals takes of anything in the area. These surveys will collect socioeconomic data for use by NOAA, sanctuary advisory councils, and similar participants in the planning process.

11. Affected public (*Mark primary with "P" and all others that apply with "x"*)
a. ___ Individuals or households
b. ___ Business or other for-profit
c. ___ Not-for-profit institutions
d. ___ Farms
e. ___ Federal Government
f. ___ State, Local or Tribal Government

12. Obligation to respond (*check one*)
a. [ ] Voluntary
b. [ ] Required to obtain or retain benefits
c. [ ] Mandatory

13. Annual recordkeeping and reporting burden

a. Number of respondents	665
b. Total annual responses	665
1. Percentage of these responses collected electronically	0 %
c. Total annual hours requested	1,330
d. Current OMB inventory	0
e. Difference	1,330
f. Explanation of difference	
1. Program change	1,330
2. Adjustment	

14. Annual reporting and recordkeeping cost burden *(in thousands of dollars)*

a. Total annualized capital/startup costs	0
b. Total annual costs (O&M)	0
c. Total annualized cost requested	0
d. Current OMB inventory	0
e. Difference	0
f. Explanation of difference	
1. Program change	
2. Adjustment	

15. Purpose of information collection (*Mark primary with "P" and all others that apply with "X"*)
a. ___ Application for benefits
b. ___ Program evaluation
c. ___ General purpose statistics
d. ___ Audit
e. P Program planning or management
f. ___ Research
g. ___ Regulatory or compliance

16. Frequency of recordkeeping or reporting *(check all that apply)*
a. [ ] Recordkeeping b. [ ] Third party disclosure
c. [✔] Reporting
1. [ ] On occasion 2. [ ] Weekly 3. [ ] Monthly
4. [ ] Quarterly 5. [ ] Semi-annually 6. [ ] Annually
7. [ ] Biennially 8. [✔] Other (describe) One-time

17. Statistical methods
Does this information collection employ statistical methods
[✔] Yes [ ] No

18. Agency Contact (person who can best answer questions regarding the content of this submission)
Name: Dr. Vernon R. (Bob) Leeworthy
Phone: 301-713-3000, ext. 138

19. Certification for Paperwork Reduction Act Submissions

On behalf of this Federal Agency, I certify that the collection of information encompassed by this request complies with 5 CFR 1320.9

NOTE: The text of 5 CFR 1320.9, and the related provisions of 5 CFR 1320.8(b)(3), appear at the end of the instructions. *The certification is to be made with reference to those regulatory provisions as set forth in the instructions.*

The following is a summary of the topics, regarding the proposed collection of information, that the certification covers:

(a) It is necessary for the proper performance of agency functions;

(b) It avoids unnecessary duplication;

(c) It reduces burden on small entities;

(d) It used plain, coherent, and unambiguous terminology that is understandable to respondents;

(e) Its implementation will be consistent and compatible with current reporting and recordkeeping practices;

(f) It indicates the retention period for recordkeeping requirements;

(g) It informs respondents of the information called for under 5 CFR 1320.8(b)(3):

- (i) Why the information is being collected;
- (ii) Use of information;
- (iii) Burden estimate;
- (iv) Nature of response (voluntary, required for a benefit, mandatory);
- (v) Nature and extent of confidentiality; and
- (vi) Need to display currently valid OMB control number;

(h) It was developed by an office that has planned and allocated resources for the efficient and effective management and use of the information to be collected (see note in Item 19 of instructions);

(i) It uses effective and efficient statistical survey methodology; and

(j) It makes appropriate use of information technology.

If you are unable to certify compliance with any of the provisions, identify the item below and explain the reason in Item 18 of the Supporting Statement.

Signature of Senior Official or designee	Date

Agency Certification (signature of Assistant Administrator or head of MB staff for L.O.s, or of the Director of a Program or Staff Office)	
Signature Daniel J. Basta, Director Special Projects Office	Date 3/6/2000
Signature of NOAA Clearance Officer	
Signature signed by Richard Roberts, NOAA Clearance Officer	Date 3/10/2000

SUPPORTING STATEMENT

National Marine Sanctuaries – Socioeconomic Impacts of Marine Reserves

A. Justification

1. The National Marine Sanctuaries Act (16 U.S.C. 1431, et seq.) authorizes the designation and management of National Marine Sanctuaries (NMS). The Florida Keys National Marine Sanctuary and Protection Act, P.L. 101-65, specifically authorizes the use of zoning. Special zones can be created that prohibit or restrict activities for the purposes of protecting sanctuary resources or resolving user conflicts. One type of zoning currently being used in the Florida Keys National Marine Sanctuary is “no take areas”. No take areas have been called Ecological Reserves, Marine Reserves or Sanctuary Preservation Areas. To implement the no take areas a set of regulations prohibiting any consumptive activities must be created. An Environmental Impact Statement (EIS), including a socioeconomic impact analysis is required under the National Environmental Policy Act (NEPA). In addition, a Regulatory Impact Review and an Initial and Final Regulatory Flexibility Analysis (if small businesses are potentially impacted by the no take regulations) must be conducted.

NOAA has developed a process for establishing “no take areas”. The process includes establishing a Sanctuary Advisory Council (SAC) made up of representatives of all the stakeholders of a sanctuary. A Working Group is also established with representatives of all the stakeholders. The Working Group uses consensus decision making in developing a set of alternatives and a preferred alternative that is presented to the SAC which then presents their preferred alternative to NOAA for consideration.

To aid the Working Group in the above process, NOAA brings in both physical and social scientists to provide information and analyses on which the Working Group can utilize in developing alternatives for a “no take area”. Because consensus decision making is used each stakeholder group requires that their interests are fairly considered in the process. Socioeconomic information directly addresses these needs by showing the socioeconomic importance of each of the different uses of sanctuary resources and the potential impacts that may occur due to displacement from the “no take area”.

Since “no take areas” are spatially specific there is a need to organize socioeconomic information spatially. There are no existing programs that do this for any of the sanctuary user groups at the level of spatial resolution needed for evaluating alternative “no take area” boundaries. The proposed data collection is designed to work with each user group to develop the necessary information.

2. As specified in item one above, the information is used both to inform the working group in the process of making a recommendation to sanctuary managers for the boundaries of a “no take area” and to allow NOAA to meets its needs for adhering to NEPA, Regulatory Impact Review, and Regulatory Flexibility Analysis requirements.

The user groups may vary by sanctuary. However, the usual user groups for which information collection is required in every sanctuary includes commercial fishing operations and recreational for-hire operations (charter boat, party/headboats, and/or guides). In some sanctuaries, other user groups affected by “no take” regulations include treasure salvors, oil and gas, mining and commercial shipping. Although commercial shipping might not be considered an activity involving the taking of sanctuary resources, the damages that occur due to anchoring have resulted in significant damage to sanctuary resources so anchoring of commercial ships in the “no take areas” is also a prohibited activity. In addition, prohibiting commercial fishing also directly impacts wholesale processors and distributors and there is a need to analyze secondary or multiplier impacts on local and regional economies. When existing studies are not available, there is a need to gather information on the disposition of the catch (e.g., how much of the commercial catch landed locally is exported out of the area, how much is sold to local retail markets, and how much is sold to local restaurants) and the price mark-ups at each market level.

This submittal includes the description of three general data collection efforts; 1) Commercial Fishing Operations, 2) Wholesale Processors (of commercial fish) and 3) Recreational for Hire Businesses. None of these data collection efforts are implemented by sending questionnaires or forms to respondents. Instead, what is required is that a person from the agency or a person hired under contract to the agency visits the establishment and uses the questionnaires or forms to guide the data collection effort. This is done for two reasons: 1) reliability of information and 2) reducing the burden on the respondent. Reliability is enhanced by using business records. Reducing burden is accomplished by the data collector working with the respondent to compile the necessary information without the respondent having to figure out how to code responses on data collection forms. This latter point is critical for data collection elements that must be put in spatial format, which will later be entered into a geographic information system (GIS) for analysis.

(a) Commercial Fishing Operations

There are four components to the commercial fishing operations data collection; 1) Socioeconomic Profile, 2) Catch and Effort Distribution by large spatial zones, 3) Catch and Effort by one square nautical mile units within a chosen study area, and 4) Trip Costs by Species or Species Group. The chosen study area will always be one the larger spatial zones. The chosen study area is then divided into one square nautical mile grids. Each of these components must be modified to fit a given application. Each sanctuary is different with respect to type of species caught and spatial zones. The one square nautical mile grid was selected by the Marine Reserve Working Group for the Channel Islands National Marine Sanctuary as the unit of analysis for the proposed Marine Reserve.

Socioeconomic Profile. This form consists of 13 questions. The socioeconomic profile questions provide information to support assessing who is potentially impacted and supports assessment as to the ability to adapt to regulatory changes. The primary regulatory change to be addressed by this information collection is the displacement from a specified fishing location (the “not take” area). Different boundary alternatives can be assessed as to who will be impacted.

Question 1 asks for the age of the fisherman and Question 2 asks for race/ethnicity. Question 3 asks for the number of family members supported by the fisherman. These first three questions would be the same for any sanctuary.

Question 4 asks about memberships in any groups. Chambers of Commerce and Environmental groups would be the same in each sanctuary. Other categories would have to be created that are tailored to the main groups that exist in the area under study. This information is extremely important for informing the Marine Reserve Working Group about those involved in the commercial fishery. The Working Group is comprised of representatives from the different stakeholders. Many commercial fishermen do not belong to organizations. The Working Group may use this information to add representation on the Working Group to a fisherman that does not belong to any group. Analysis of alternatives may also reveal that those impacted by the selected preferred alternative were not represented in the process.

Question 5 asks if the fisherman belongs to a fish house. Many fishermen are directly employed by fish houses and others simply sell their catch to a fish house without a formal agreement requiring them to land the fish with the fish house. This item adds information about where the fish are landed and what distributors/wholesale processors might be impacted.

Question 6 asks for the fisherman’s primary hauling port/dock. This provides the connection from where the catch is obtained to where it is landed (i.e., where it has economic consequences). The list of ports/docks will vary will the sanctuary under study.

Questions 7 and 8 ask for the fisherman’s years of experience fishing in the broader area (usually a county or multiple of counties) and the area under study (the area for which detailed spatial data will be obtained). This information is important for assessing the fisherman’s ability to adapt to changes (here their ability to change and their expected success in moving to other fishing grounds).

Questions 9 asks for the replacement value of the gear and vessels owned. This information is used in assessing whether there are economic rents earned in the fishery. Economic rents are appropriate to include in benefit-cost analyses. This question will not always be included in every application. If other recent cost and earnings studies have been conducted for the fisheries in the study area, then this question will be dropped. In addition, if the fishermen object to providing this type of information, it will be dropped. In the Channel Islands National Marine Sanctuary, this will be included since no cost and earnings studies have been conducted in any of the fisheries of California.

Question 10 asks for items of cost that are not trip specific. The costs are annual expenses and include such items as maintenance and repair on vessels, traps and other gear, docking fees and fish house fees. As with Question 9, this question will not always be included in every application for the same reasons given above. Question 10 will be included in the application for the Channel Islands National Marine Sanctuary.

Questions 11, 12 and 13 address the economic dependency of the fisherman on commercial fishing. Question 11 asks the percentage of the fisherman's income that is derived from commercial fishing. Question 12 asks for what the fisherman considers to be the best description of his or her occupation. The key distinction is whether they are part time or full time in the commercial fishery. Some charter boat operations derive a portion of their income from the commercial fisheries because they sell some of their catch. Some fishermen that are normally considered recreational fishermen may on occasion sell their catch. In Florida, a person may obtain a permit that allows them to sell their catch for as little as $25. Thus some recreational fishermen may be commercial fishermen for some portion of their catch. Question 13 asks for the percentage of the fisherman's income that is derived from the area under study as a "no take area". This information is important for assessing how dependent users are on the study area for their livelihoods.

Catch and Effort by Large Spatial Zones. This is not a questionnaire but is a framework for obtaining information. The data collector sits down with the fisherman and with the use of maps showing the large spatial zones and the fisherman's catch records provides their total catch (in pounds) for each species or species group and the percentage of the catch in each large spatial area. The percents across large spatial areas must sum to 100 percent for each species or species group. The number of large spatial areas and species or species groups are specific to each sanctuary and are best done with initial consultation with the fishermen at the beginning of the data collection (cannot and should not be specified in advance, such as in this package). The information gathered here is important for establishing the fisherman's knowledge of alternative fishing sites and is important input into assessing fishermen's ability to relocate to other fishing grounds if displace from the "no take area". It also provides the control totals that will be used in the next step.

Catch and Effort in the Study Area. The study area will be divided into one square nautical mile grids. This set of grids are then overlaid onto a nautical chart. The data collector then sits down with the fisherman and distributes their catch and effort by species or species group across the different grids. This information then can be put into a geographic information system. Summaries across all fishermen can then be compiled and maps produced showing the distribution of catch and effort within the study area. The Marine Reserve Working Group can then use these maps to aid them in constructing alternative boundaries for the "no take area" that achieves ecological objectives while minimizing socioeconomic impacts.

Trip Costs by Species or Species Group. As with Question 9 and 10 in the Socioeconomic Profile, this information obtains costs. Here the variable or trip costs are obtained for a typical trip for each species or species group. Trip cost items include fuel and oil, ice, bait, food & supplies, spotter plane, other, and labor or crew shares. As with

Questions 9 and 10 from the Socioeconomic Profile, these questions are only asked if there are no cost and earnings studies available. In the Channel Islands National Marine Sanctuary, this set of information will be obtained since no cost and earnings studies could be found for the commercial fisheries in California.

(b) Wholesale Processors/Fish Houses

Wholesale processors and fish houses are the operations that the commercial fishing operation lands and sells their catch. Wholesale processors or fish houses then distribute the product. Distribution of the product and value added or market level mark-ups will be obtained. For each species of species group purchased from commercial fishing operations, the following are obtained: 1) amount exported outside the local area, 2) amount sold to local retail markets and 3) amount sold to local restaurants. In addition, the price mark-ups are asked for each of the three market level amounts stated in percent above what was paid to the commercial fishermen. This information is important for establishing the economic impact of commercial fishing landings to the local and regional economies.

(c) Recreation for Hire

Personal interviews will be conducted with for-hire charter and party (head-boats) boat operations that take recreational fishermen, divers and wildlife viewers to the area under study. A general questionnaire will be used to guide the interview process. As with commercial fishing operations, maps will be used to allocate recreational activity by geographic area. Information on number of passengers (normalized to person-days of activity), operating revenues, costs, and profits will be obtained.

User Identification. The first part of the data collection includes user identification information which includes name of operator/owner, operator business name, address, and location of where boat operates from. For data base purposes, each operator is given a unique identification number. Once the data collection is complete and the quality analysis/quality control is complete, the data collector destroys all user identification information in order to protect the privacy of individual operations.

Use Patterns. This information is the most important obtained. Information is gathered on the locations of each type of activity, estimates of the amount of activity (measured in person-days) in each one square mile grid cell, and information about the seasonality of the activity.

Person-days is a calculated variable based on collecting number of trips, days per trip and number of passengers per trip for each month. The data collector sits down with the business owner/manager and compiles the information from business records. Detailed maps with the one square miles grids overlaid on nautical charts are used to spatially distribute activity. Person-days are provide the basis of estimating both market and non market economic values. Other studies that provide estimates of expenditures per person-day and consumer's surplus per person-day are then used to derive the market and non market economic values associated with the activity.

Business Data. Business information includes revenues, costs and profits. For each activity, fees or prices are obtained as well as annual revenue for each activity. Total operating costs and profits are then obtained for the year. Each owner/operator is also asked if the year for which the data was obtained was a typical year and if not an explanation is obtained for why it was not a typical year. Since all recreational for hire are usually small businesses, information on revenues, costs and profits are used to address the potential impact of any regulations on the small businesses.

3. The information collection does not use any automated, electronic, mechanical, or other technological techniques or other forms of information technology. To reduce the burden on respondents data collectors are employed to sit down with fishermen and work together to compile the information. The respondent does not waste time reading instructions and figuring out how to provide and code the information. The data collector is there to facilitate the information collection and does all the coding. Appointments to meet with the data collector are also done to accommodate the working schedule of the fisherman to also lower the burden..

The fishermen in the Channel Islands National Marine Sanctuary have formed a sub-committee of the Marine Reserve Working Group to establish guidelines for how their information will be summarized and distributed. Therefore, at this time there are no specific plans to distribute the information over the internet. If the fishermen decide they would like their information summarized and distributed on the net, we will do it.

4. The data collection effort proposed here is based on our assessment of all existing information. We spent several months researching the literature, contacting all Federal and State agencies with management responsibilities in the region, and contacted many private organizations representing the various interests. We presented our findings to the Marine Reserve Working Group for the Channel Islands National Marine Sanctuary. Our findings were confirmed that there was a general lack of information and to meet the needs of the Marine Reserve Working Group, supplementary data collection would be required, especially with respect to the one square nautical mile unit of resolution of information.

5. The data collection is not expected to have a significant impact on small entities such as small businesses. Most of the commercial fishing operations are small businesses as are the recreational for hire operations. However, by employing a data collector we minimize the burden on the respondent. We think we can keep the burden to an average of 2 hours per respondent. Also, we are doing this data collection because the groups themselves think it is important if they are to have fair representation in the process of creating a "no take area". Thus the respondents have a reason to participate and this will ensure high participation rates. The data collection proposed here is not part of a strategic research project where the respondents are not sure what the information will be used. The respondents will all know why they are participating. Further, through the

process established by the Sanctuary, we have met with the user groups discussed our findings from the literature and discussed with them the needs for further data collection.

6. Marine Reserves or “no take areas” have become an important method of protecting sanctuary resources and resolving user conflicts. The National Marine Sanctuaries have developed a public process for evaluating a proposed marine reserve. Including socioeconomic information in this process has proven to be crucial to the success of the process. Consensus decision making is a difficult process and providing all the stakeholders with information that fairly represents their interests is critical for the workings of this process. No one would cooperate in this process if the socioeconomic information was not collected. In addition, the agency (NOAA) would not be able to adequately meet the requirements of the NEPA, RIR, or the Regulatory Flexibility Act for evaluating the socioeconomic impacts of no take regulations if this data collection were not conducted.

7. Data collection will be consistent with OMB guidelines.

8. PRA Federal Register notice included. No comments were received.

Efforts to consult with other persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions, the amount of burden to be imposed, and the ways to minimize burden are described in items 4 and 5 above.

9. No payment or gifts are given to respondents.

10. In our consultations with the various user groups, the issue of data confidentiality has been given considerable treatment. We first informed the user groups that the Federal government was required to adhere to the Privacy Act. However, in the Channel Islands National Marine Sanctuary, some groups thought that this was not good enough. They don’t want any government agency to know their information. For those groups that prefer that no government person see their individual data, we first select a data collector that has the approval of the user group and that would be considered an objective researcher by the government and this person assigns each respondent a code number. The code number will be used in all data bases. The code book that contains the identity of the respondent is maintained by the data collector until the quality control/analysis of the data is completed. The data collector is then instructed to destroy the code book. The code book contains the name, name of business, address and telephone number and the data base identification number corresponding to each name, name of business, address and telephone number. The data bases for distribution will contain the Identification numbers, but the names, names of businesses, addresses and telephone numbers will be destroyed. The remaining data will be available for distribution.

We will provide a separate sheet with each data collection (included in package) authorities, the way in which the information will be used to further performance or agency functions, provide an estimate of burden of time, name and address of sponsoring office, assurance that responses are voluntary, and the extent of confidentiality.

11. As discussed in item 10 above, some user groups are sensitive to the issue of release of their private information. In the Channel Islands National Marine Sanctuary application, a sub-committee of the Marine Reserve Working Group has been established to develop policy on how the data will be summarized and released to others. We will adhere to the recommendations of the sub-committee.

12. Burden Hours

Estimated Number of Respondents:

A. Commercial Fishermen: Approximately 600
B. Wholesale Processors: 15
C. Recreational for Hire: Approximately 50

Estimated Time Per Response:

A. Commercial Fishermen: 2 hours
B. Wholesale Processors: 2 hours
C. Recreational for Hire: 2 hours

Estimated Total Annual Burden Hours:

A. Commercial Fishermen: 1,200 hours
B. Wholesale Processors: 30 hours
C. Recreational for Hire: 100 hours

Total…………………………………1,330 hours

Estimated Total Annual Cost to Public: 1,330 hours (only one time application, no additional costs expected on respondents).

The above estimates were produced in consultation with Manoj Shivlani of the University of Miami and Dr. Frederick W. Bell of the Economic Department at Florida State University. Both have done studies that included data collection similar to what is being proposed here. The questions in the socioeconomic profile of commercial fishermen and the data collection methods for catch and effort for the commercial fisheries were previously done in a Sea Grant project in Florida and published in a Sea Grant report (J. Walter Milon, Daniel O. Suman, Manoj Shivlani and Kathryn A. Cochran, Commercial Fisher' Perceptions of Marine Reserves for the Florida Keys National Marine Sanctuary, Florida Sea Grant TP-89, December 1997, Florida Sea Grant College, University of Florida, Gainesville, Florida). The data collection was done by Manoj Shivlani at the University of Miami using the same data collection method proposed here. Therefore we are fairly confidant in the estimates of burden hours.

13. Estimated Total Annual Cost to Public: 1,330 hours (only one time application, no additional costs expected on respondents).

No new record keeping requirements are imposed on respondents. Data collector is employed to help compile information from existing records.

14. Annualized Cost to the Federal Government:

Channel Islands National Marine Sanctuary – Marine Reserve

Contracts for Data Collectors………………………………………..$58,000
a. Contracts for Commercial fisheries…………….$33,000
b. Contract for Recreation for Hire………………..$25,000
NOAA Staff time in developing questionnaires, maps and contract
Development and oversight………………………………………… $6,893
a. GS-14 Economist 104 hours * $39.20/hour……..$4,077
b. GS-12 Economist 104 hours * $27.08/hour……..$2,816
Travel……………………………………………………………….. $5,000

Total Cost to Federal Government……………………………………..$69,893

15. This is a program change resulting from new requirements. The National Marine Sanctuaries in creating Ecological Reserves, Marine Reserves or Sanctuary Preservation Areas (no take areas) are required to include Socioeconomic Impact Analyses in Environmental Impact Statements in their analyses of alternatives. Also, to implement these special zones requires the implementation of "no take" regulations. All new regulations must have Regulatory Impact Reviews, and when small businesses are potentially impacted, Regulatory Flexibility Analysis.

16. Outline of Plan for Tabulation and Publication of Results/Time From Approval Date

a. Data Collection and Quality Analysis/Quality Control…………….. 3 months
b. Produce GIS Maps showing Commercial Fishing Catch and
Recreational Effort……………………………………………………3.5 months
c. Summary Tables – Socioeconomic Profiles of Users………………..3.5 months
d. Maps and Summary Tables Provided to Working Group……………3.5 months

It is uncertain as to how long Working Group will take to develop alternatives. Once Working Group develops set of alternative boundaries and selects a preferred alternative, this is then forwarded to the Sanctuary Advisory Council (SAC). SAC then sends recommendation to CINMS management. CINMS management then starts producing Draft Environmental Impact Statement (DEIS). Socioeconomic Team is given alternatives to do analysis for DEIS, Regulatory Impact Review, and Initial Regulatory

Flexibility Analysis. These documents are then sent out for public comment. After receiving public comments, final EIS and Final Regulatory Flexibility Analysis is completed.

The spatial data will be analyzed using Archview geographic information software. The Archview software is used to sum up the commercial fishing catch and recreational effort inside each boundary alternative. A set of spreadsheets that relate economic parameters to the commercial fishing catch and recreation effort are then used. Economic parameters include both market and non market economic values. Market economic values include revenue to fishermen or to businesses serving recreationists and the resulting income and employment generated in local or regional economies. Non market economic values include consumer's surplus and economic rents. Existing studies are used to derive the economic parameters.

Comparative socioeconomic profiles are produced for each boundary alternative. Nonparametric tests will then be conducted for differences in profiles across alternatives. This highlights whether different groups are impacted by different boundary alternatives.

17. OMB approval number will be displayed on forms.

18. There are no exceptions to Item 19 on OMB 83-1.

B. Collections of Information Employing Statistical Methods

1. In general, sampling will not be done. The approach used here is a census not a sample. For each of the populations identified for data collection, the population is known. These populations are used to calculate burden hours. The plan is to collect the information from all commercial fishing operations (600), all recreational for Hire operations (50) and all wholesale processors (15).

2. As stated in item 1 above, the approach used here is a census not a sample. However, we can expect that in any data collection effort, that a complete census (100% reporting) may not occur. Through the public process, all the groups have agreed to participate in the data collection since it serves their interests. For the commercial fisheries, we have information from the California Department of Fish and Game on catch by species for each 10 by 10 mile grid in the study area and the list of fishermen that report catching in each grid. For cases when less than 100% reporting occur, we will expand the reported (from our data collection) to the California Department of Fish and Game totals for each 10 by 10 mile grid. Distributions within the 10 by 10 mile grid (i.e., to the one square mile grid) will be assumed to follow the reported distribution. A similar procedure will be followed for the recreation for hire (although we expect complete cooperation from this group of 50 operators).

   For wholesale processors, the population is small (only 15) and we expect to be able to census this group.

3. Members of the Sanctuary Advisory Council and the Marine Reserve Working Group that represent each group for which data collection will be done is contacting each person, explaining the process and getting their cooperation. In addition, the Socioeconomic Team has given several presentations at public meetings to the user groups on our approach. Further the commercial fishermen have formed a separate sub-committee in the Marine Reserve Working Group to review all data collection and data summary from the project. All these factors together should ensure maximum response. To the extent that 100 percent response is not achieved, we will follow the procedure explained in item two above.

4. The data collection methods to be employed here were tested by previous researchers in the Florida Keys National Marine Sanctuary that were cited in item 12 above. We do not believe further testing is required.

5. Contacts

Socioeconomic Team Leader
Dr. Vernon R. Leeworthy
Chief Economist, NOAA, National Ocean Service,
Special Projects Office
1305 East West Highway, SSMC 4, 9th floor
Silver Spring, MD 20910
Telephone: (301) 713-3000 ext. 138
Fax: (301) 713-4384
e-mail: Bob.Leeworthy@noaa.gov

Data Collection Methods and Statistical Methods (consultants)

Manoj Shivlani
Research Associate
Rosenstiel School of Marine and Atmospheric Science
University of Miami
4600 Rickenbacker Causeway
Miami, FL 33149
Telephone: (305) 361-4685
Fax: (305) 361-4675
e-mail: mshivlani@rsmas.miami.edu

Thomas Murray
Thomas J. Murray & Associates and Virginia Institute of Marine Sciences
P.O. Box 1083
Gloucester Point, VA 23062-1083
Telephone: (804) 684-7190
Fax: (804) 684-7161
e-mail: tjm@vms.edu

Dr. Frederick W. Bell
Department of Economics
Florida State University
246 Bellamy Building
Tallahassee, FL 32306
Telephone: (850) 644-7092
Fax: (850) 644-4535
e-mail: fwbell@garnet.acns.fsu.edu

Contractors for Data Collection

Commercial Fisheries

D. Craig Barilotti, Ph.D.
Sea Foam Enterprises
4369 Osprey Street
San Diego, CA 92107
Telephone: (619) 223-9335
Fax: (619) 223-9611
e-mail: seafoam@pacbell.net

Recreation for Hire

Dr. Charles Kolstad
Department of Economics
University of California
North Hall 2127
Santa Barbara, CA 93106
Telephone: (805) 893-2108
Fax: (805) 893-8830
e-mail: kolstad@econ.ucsb.edu

COMMERCIAL FISHING OPERATIONS

IMPORTANT INFORMATION ABOUT THIS INFORMATION COLLECTION

1. Authorizations to Collect the Information

The National Marine Sanctuaries Act (16 U.S.C. 1431, et seq.) authorizes the Channel Islands National Marine Sanctuary to establish regulations to protect sanctuary resources or resolve user conflicts. This act also authorizes the Sanctuary to do research and collect information necessary for evaluating new regulations.

2. How the Information Will Be Used

The Channel Islands National Marine Sanctuary has developed a public process to evaluate the establishment of a Marine Reserve or series of Marine Reserves "no take areas". A Sanctuary Advisory Council and Marine Reserve Working Group have been established with members representing different user groups. A sub-committee, primarily composed of commercial fishermen, for data collection has also been established and has reviewed and approved this data collection and will review and approve all summaries of this information before release to the Marine Reserve Working Group or any other party, including the government agencies.

The information collected here will be used by the Marine Reserve Working Group in evaluating alternative boundaries for Marine Reserves in the Channel Islands National Marine Sanctuary. The objective is to minimize the socioeconomic impacts of Marine Reserves. The information will also be used by NOAA and the California Department of Fish and Game in completing socioeconomic impact analyses of any regulations resulting from the creation of a Marine Reserve.

3. Statement of Burden

Public reporting burden for this collection of information is estimated to average about two hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing burden, to Dr. Vernon R. (Bob) Leeworthy, Chief Economist, National Ocean Service, Special Projects Office, 1305 East West Highway, SSMC 4, 9th floor, Silver Spring, MD 20910.

4. Your Participation and Protections of Confidentiality

Your participation is voluntary. Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless the collection of information displays a currently valid OMB Control Number.

Any information that identifies you or your business (name, name of business, address and telephone number) will not be given to anyone, including the government agencies sponsoring this information collection. The information that identifies you or your business will be destroyed by the contractor collecting the information at the end of the information collection. All other information will be available for distribution.

OMB approval #:
Expiration Date:

COMMERCIAL FISHING

Socioeconomic Profile Questionnaire

Name_____________________________________

Telephone _____________________

Address or Contact Site __________________________________
____
____

1. Which of the following includes your age ?

   18 – 30   31 - 40   41 – 50   51 – 60   over 60

2. What is your racial/ethnic background ?

   a. White
   b. Black or African American
   c. American Indian or Alaska Native
   d. Native Hawaiian or Other Pacific Islander
   e. Asian
   f. Other (specify) ___________________________

   Are you Hispanic, Latino, or of Spanish Origin ?   Yes ___   No ___

3. How many family members do you support (including yourself) ?

   myself only   2   3   4   5   6   7   greater than 7

4. Are you a member of any of the following groups ?

   Chamber of Commerce   Yes ___   No ___
   Environmental Group   Yes ___   No ___
   Include other groups in list relevant to study area.

5. Do you belong to a fish house ?   Yes ___   No ___

   - if yes, then which one ? ______________________________________

6. Which of the following would you describe as your primary hauling port/dock ?

   List varies by study area.

7. How many years have you been a commercial fishermen in (*local area*)?

   Less than 1 year   1-5   6-10   11-20   over 20 years

8. How many years have you commercially fished (*area under study*) ?

   Less than 1 year   1-5   6-10   11-20   over 20 years

9. Please provide your BEST ESTIMATE of the replacement value for the following items used for commercial fishing in (*year of study*) ?

___ Vessels and electronic equipment:		$ ________________
Lobster Traps:	Number __________	$ _________________
Nets:	Number: _________	$ _________________
Other gear:		$ _________________

10. Please provide your BEST ESTIMATE for the following expenses in (*year of study*) ?

Docking fees:	$ __________________
Fish House Fees:	$ __________________
Interest payments on vessel (s):	$ _________________
Maintenance and repairs vessel (s):	$ __________________
Maintenance and repairs traps:	$ __________________
Maintenance and repairs gear:	$ __________________

11. What approximate percentage of your income is derived from commercial fishing ? ____%

12. Which of the following best describes your fishing occupation ?

   a. commercial/full-time
   b. commercial/part-time
   c. charterboat
   d. recreational

13. What approximate percentage of your income is derived from fishing in the (*area under study*) ?
   ____%

WHOLESALE PROCESSORS/FISH HOUSES

IMPORTANT INFORMATION ABOUT THIS INFORMATION COLLECTION

1. Authorizations to Collect the Information

The National Marine Sanctuaries Act (16 USC 1431, et seq.) authorizes the Channel Islands National Marine Sanctuary to establish regulations to protect sanctuary resources or resolve user conflicts. This act also authorizes the Sanctuary to do research and collect information necessary for evaluating new regulations.

2. How the Information Will Be Used

The Channel Islands National Marine Sanctuary has developed a public process to evaluate the establishment of a Marine Reserve or series of Marine Reserves "no take areas". A Sanctuary Advisory Council and Marine Reserve Working Group have been established with members representing different user groups. A sub-committee, primarily composed of commercial fishermen, for data collection has also been established and has reviewed and approved this data collection and will review and approve all summaries of this information before release to the Marine Reserve Working Group or any other party, including the government agencies.

The information collected here will be used by the Marine Reserve Working Group in evaluating alternative boundaries for Marine Reserves in the Channel Islands National Marine Sanctuary. The objective is to minimize the socioeconomic impacts of Marine Reserves. The information will also be used by NOAA and the California Department of Fish and Game in completing socioeconomic impact analyses of any regulations resulting from the creation of a Marine Reserve.

3. Statement of Burden

Public reporting burden for this collection of information is estimated to average about two hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing burden, to Dr. Vernon R. (Bob) Leeworthy, Chief Economist, National Ocean Service, Special Projects Office, 1305 East West Highway, SSMC 4, 9th floor, Silver Spring, MD 20910.

4. Your Participation and Protections of Confidentiality

Your participation is voluntary. Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork

Reduction Act, unless the collection of information displays a currently valid OMB Control Number.

Any information that identifies you or your business (name, name of business, address or telephone number) will not be given to anyone, including the government agencies sponsoring this information collection. The information that identifies you or your business name, address and telephone number will be destroyed at the end of the information collection. All other information will be available for distribution.

OMB Approval #:
Expiration Date:

WHOLESALE PROCESSORS/FISH HOUSES

SURVEY FORM

Name of Respondent ______________________________

Name of Business ___________________________________

Address ____

____

____

Telephone _________________________

	Amount (pounds)			Percent Price Mark-up		
Species/Species Group	Exported	Retail	Restaurants	Exported	Retail	Restaurant
______________________	_______	________	_________	_______	_____	________
______________________	_______	________	_________	_______	_____	________
______________________	_______	________	_________	_______	_____	________
______________________	_______	________	_________	_______	_____	________
______________________	_______	________	_________	_______	_____	________
______________________	_______	________	_________	_______	______	________
______________________	_______	________	_________	_______	______	________
______________________	_______	________	_________	_______	______	________
______________________	_______	________	_________	_______	______	________
______________________	_______	________	_________	_______	______	________
______________________	_______	________	_________	_______	______	________

Exported – amount shipped outside local area (*defined for each study area*)

Retail – amount sold to local retail markets (*local area defined for each study area*)

Restaurant – amount sold to local restaurants (*local area defined for each study area*)

RECREATION INDUSTRY SURVEY

IMPORTANT INFORMATION ABOUT THIS INFORMATION COLLECTION

1. Authorizations to Collect the Information

The National Marine Sanctuaries Act (16 USC 1431, et seq) authorizes the Channel Islands National Marine Sanctuary to establish regulations to protect sanctuary resources or resolve user conflicts. This act also authorizes the Sanctuary to do research and collect information necessary for evaluating new regulations.

2. How the Information Will Be Used

The Channel Islands National Marine Sanctuary has developed a public process to evaluate the establishment of a Marine Reserve or series of Marine Reserves "no take areas". A Sanctuary Advisory Council and Marine Reserve Working Group have been established with members representing different user groups. The Marine Reserve Working Group has reviewed and approved this data collection.

The information collected here will be used by the Marine Reserve Working Group in evaluating alternative boundaries for Marine Reserves in the Channel Islands National Marine Sanctuary. The objective is to minimize the socioeconomic impacts of Marine Reserves. The information will also be used by NOAA and the California Department of Fish and Game in completing socioeconomic impact analyses of any regulations resulting from the creation of a Marine Reserve.

3. Statement of Burden

Public reporting burden for this collection of information is estimated to average about two hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing burden, to Dr. Vernon R. (Bob) Leeworthy, Chief Economist, National Ocean Service, Special Projects Office, 1305 East West Highway, SSMC 4, 9th floor, Silver Spring, MD 20910.

4. Your Participation and Protections of Confidentiality

Your participation is voluntary. Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless the collection of information displays a currently valid OMB Control Number.

Any information that identifies you or your business (name, name of business, address and telephone number) will not be given to anyone, including the government agencies sponsoring this information collection. The information that identifies you or your business will be destroyed at the end of the information collection. All other information will be available for distribution.

OMB Approval #:
Expiration Date:

Recreation Industry Survey
User Questionnaire

User Identification

NAME: Name ______________________

ONAME: Operator (Business) Name ______________________

BNAME: Boat Name ______________________

ADDRESS: Address ______________________

BADDRESS: Location from which the Boat Departs

____

Use Patterns

Show respondent the Map and ask the following question, while marking up the map with grid cells. Note on the map, or below on this questionnaire, if necessary, the months in which the respondent operates for every area identified; or any other pertinent information.

Please look on this map and tell me in which specific areas you operate. For each area, what time period do you operate?

Mark up the map and note any coinciding information here:

USECOMM: ______________________

____

____

____

OMB Approval #:
Expiration Date:

Recreation Industry Survey
User Questionnaire

Intensity of Use: For each Activity, please answer the following questions.

1. **In what part of the year (months) did you participate or operate trips for this activity?**
2. **For each month how many trips did you go on?**
3. **On average, how many days long are each trip for each activity? Did this vary from month to month?**
4. **On average, how many passenger do you carry per trip for each activity? Did this vary from month to month?**
5. *From the above information, calculate person-days for each month and activity.*
6. **In what time-period do you operate, if it was less than all month (e.g. 1st two weeks)?**

	Months	Trips	Days Per Trip	Passengers Per Trip	Person-Days	Time Period
Activity 1	JAN					
	FEB					
	MAR					
	APR					
	MAY					
	JUN					
	JUL					
	AUG					
	SEP					
	OCT					
	NOV					
	DEC					
Activity 2	JAN					
	FEB					
	MAR					
	APR					
	MAY					
	JUN					
	JUL					
	AUG					
	SEP					
	OCT					
	NOV					
	DEC					
Activity 3	JAN					
	FEB					
	MAR					
	APR					
	MAY					
	JUN					
	JUL					
	AUG					
	SEP					
	OCT					
	NOV					
	DEC					
Activity 4	JAN					
	FEB					
	MAR					
	APR					
	MAY					
	JUN					
	JUL					
	AUG					
	SEP					
	OCT					
	NOV					
	DEC					

Other Users

On a typical day, how many other charter boats do you see for each area you identified on the map?

OMB Approval #:
Expiration Date:

Recreation Industry Survey
User Questionnaire

Business Data

(For use in economic impact scenarios)

Inform the respondent that this information will be used for estimating economic impact scenarios. None of this information will be shared with anyone else, including the Sanctuary or other operators.

Costs/Revenues

For each activity that you engage in, what is your price structure and what were your revenues last year?

	Activity	Fee Structure	Revenue Last Year
Activity 1			
Activity 2			
Activity 3			
Activity 4			

REVENUE: What was your total gross revenues last year? ____________________

COST: What were your total operating costs last year? ____________________

TYPICAL: Was last year a typical year? (1=YES 0=NO) ____________________

If no, answer the following three questions. If yes go on to Profit.

WHYNOTYP: Why was last year not a typical year?

____

TREVENUE: What is your gross income in a typical year? ____________________

TCOST: What are your total operating costs in a typical year? ______________

Recreation Industry Survey
User Questionnaire

Profit/ Loss

PROFIT: What was your profit/ loss last year? ______________

If the value for TYPICAL was 0, ask the following:

TPROFIT: What is your profit/ loss in a typical year ______________

Miscellaneous

Is there anything else you think we should know, or people we can contact in order to better estimate usage in the [site name]?

____

____

____

____

____

____

____

____

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

[I.D. 121599D]

National Marine Sanctuaries–Socioeconomic Impacts of Marine Reserves

AGENCY: National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA), Commerce.

ACTION: Proposed collection; comment request.

SUMMARY: The Department of Commerce, as part of its continuing effort to reduce paperwork and respondent burden, invites the general public and other Federal agencies to take this opportunity to comment on proposed and/or continuing information collections, as required by the Paperwork Reduction Act of 1995, Public Law 104–13 (44 U.S.C. 3506(c)(2)(A)).

DATES: Written comments must be submitted on or before February 22, 2000.

ADDRESSES: Direct all written comments to Linda Engelmeier, Departmental Forms Clearance Officer, Department of Commerce, Room 5327, 14th and Constitution Avenue NW, Washington DC 20230 (or via Internet at LEngelme@doc.gov).

FOR FURTHER INFORMATION CONTACT: Requests for additional information or copies of the information collection instrument(s) and instructions should be directed to Dr. Vernon R. Leeworthy, NOS/Special Projects Office, 1305 East West Highway, SSMC 4, 9th Floor, Silver Spring, Maryland 20910 (301–713–3000, ext. 138) or via Internet at Bob.Leeworthy@noaa.gov.

SUPPLEMENTARY INFORMATION:

I. Abstract

The purpose of this information collection is to give users of National Marine Sanctuaries fair representation in the process of creating a marine reserve (no-take zone). This will be accomplished by collecting socioeconomic information and incorporating the information into a geographical information system (GIS) that will support socioeconomic impact analyses. Socioeconomic Impact Analyses attempt to show who might be impacted by a marine reserve (i.e., who benefits and who suffers potential costs). Impacts are measured not only on direct users that would be displaced but also the secondary impacts such as income and employment in the local and regional economies and to consumer's through either higher prices for commercial fishing products or lower quantity and quality of recreational experiences. In FY 2000, NOAA plans to apply the information collection and analyses to the Channel Islands National Marine Sanctuary, which is revising its management plan and will propose the creation of a marine reserve.

One set of respondents would be commercial fishermen. Interviews would gather information on socioeconomic factors for developing profiles of the commercial fishermen such as age, sex, education level, household income, marital status, number of family members, race/ethnicity, percent of income derived from fishing, percent of income derived from study area, years of experience in fishing and years of fishing experience in the study area. Total catch, effort and revenue, by major species and by geographical areas, will also be compiled. Information on costs of operation and investment in the fisheries will also be obtained. Detailed maps will be used in working with fishermen to allocate their catch and effort geographically.

A second set of respondents would be Wholesale Processors. Personal interviews will be conducted with wholesale processors of commercial fishing catch to determine the disposition of catch (e.g. how much is exported out of the local area, how much is sold to local retail markets, and how much is sold to restaurant markets) and the price mark-ups at each market level.

The third set of respondents would be Recreational For-Hire Businesses. Personal interviews would be conducted with for-hire charter and party (head-boats) boat operations that take recreational fishermen, divers, and wildlife viewers to the Channel Islands National Marine Sanctuary. As with commercial fishing operations, maps will be used to allocate activity by geographic area. Information on number of passengers (normalized to person-days of activity), operating revenues, cost and profits will be obtained.

II. Method of Collection

Personal interviews.

III. Data

OMB Number: None

Form Number: None

Type of Review: Regular submission

Affected public: Business or other for-profit

Estimated Number of Respondents: 665

Estimated Time Per Response: 2 hours

Estimated Total Annual Burden Hours: 1,330

Estimated Total Annual Cost to Public: $0

IV. Request for Comments

Comments are invited on: (a) Whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information shall have practical utility; (b) the accuracy of the agency's estimate of the burden (including hours and cost) of the proposed collection of information; (c) ways to enhance the quality, utility, and clarity of the information to be collected; and (d) ways to minimize the burden of the collection of information on respondents, including through the use of automated collection techniques or other forms of information technology.

Comments submitted in response to this notice will be summarized and /or included in the request for OMB approval of this information collection; they also will become a matter of public record.

Dated: December 10, 1999.

Linda Engelmeier,

Departmental Forms Clearance Officer, Office of Chief Information Officer.

[FR Doc. 99–33064 Filed 12–20–99; 8:45 am]

BILLING CODE 3510–JE

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

[I.D. 121499D]

New England Fishery Management Council; Public Meetings

AGENCY: National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), Commerce.

ACTION: Notice of public meetings.

SUMMARY: The New England Fishery Management Council (Council) is scheduling a number of public meetings of its oversight committees in January, 2000 to consider actions affecting New England fisheries in the exclusive economic zone (EEZ). Recommendations from these groups will be brought to the full Council for formal consideration and action, if appropriate.

DATES: The meetings will be held between Wednesday, January 5, and Friday, January 28, 2000. See **SUPPLEMENTARY INFORMATION** for specific dates and times.